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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/657,242	09/09/2003	Mun Choon Chan	29250-001000/US	4055	
32498 7590 12/20/2007 CAPITOL PATENT & TRADEMARK LAW FIRM, PLLC			EXAMINÉR		
P.O. BOX 1995	995		PHAM, BRENDA H		
VIENNA, VA 22183			ART UNIT	PAPER NUMBER	
		2616			
			MAIL DATE	DELIVERY MODE	
			12/20/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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	Examiner	Art Unit			
	Brenda Pham	2616			
ears on the cover sheet with the correspondence address (OR REMAINS) CLOSED in this application. If not included (or other appropriate communication will be mailed in due course. THIS RIGHTS. This application is subject to withdrawal from issue at the initiative 3 and MPEP 1308.					
)	respectively.				
ıŗ	nder 35 U.S.C. § 119(a)-(d) or (f).				

supplemental	10/657,242	CHAN ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Brenda Pham	2616	
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT F of the Office or upon petition by the applicant. See 37 CFR 1.31	S (OR REMAINS) CLOSED in the solution of the communication of the subjection is subjected in the subjected in the subjection in the subje	is application. If not include ation will be mailed in due	ded e course. THIS
1. X This communication is responsive to <u>09/01/07</u> .			
2. X The allowed claim(s) is/are 2-6,8-12,renumbering as 1-10), respectively.		
 3. Acknowledgment is made of a claim for foreign priority to a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 	ve been received.		
2. Certified copies of the priority documents hav			
3. Copies of the certified copies of the priority de	ocuments have been received in	this national stage applic	ation from the
International Bureau (PCT Rule 17.2(a)). * Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE noted below. Failure to timely comply will result in ABANDON THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		reply complying with the re	equirements
4. A SUBSTITUTE OATH OR DECLARATION must be submined in the submined particles of the submined p			NOTICE OF
5. CORRECTED DRAWINGS (as "replacement sheets") mu	ust be submitted.		
(a) including changes required by the Notice of Draftsper	rson's Patent Drawing Review (PTO-948) attached	
1) hereto or 2) to Paper No./Mail Date	_·		
(b) including changes required by the attached Examined Paper No./Mail Date	r's Amendment / Comment or in	the Office action of	
Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in			ne back) of
 DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT 			Note the
Attachment(s) 1. Notice of References Cited (PTO-892)	5. ☐ Notice of Infor	mal Patent Application	
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. Interview Sum	• •	
3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date	7. Examiner's An		
4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. 🛛 Examiner's Sta	atement of Reasons for Al	lowance
	9. Other		
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EXAMINER'S AMENDMENT

I. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Attorney John E. Curtin, Reg. No. 37,602 on December 10, 2007.

- II. The application has been amended as follows:
 - 1. (Canceled)
- 2. (Currently Amended) A method for maximizing the throughput of

 Transmission Control Protocol/Internet Protocol ("TCP/IP") data comprising the

 steps of The method as in claim 1 further comprising the steps of:

receiving an [[the modified]] acknowledgement (ACK) packet that includes a receive window value that has been modified, by an intermediate node, based on estimated delay and rate variations associated with at least one wireless link;

comparing <u>a</u> [[the]] receive window value within the modified acknowledgement packet to a congestion window value;

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selecting the lesser of the receive window value and congestion window value; and

transmitting an amount of data toward the wireless link based on the selected value.

- 3. (Currently Amended) The method as in claim 2 [[1]] wherein the receive window value comprises a number of packets.
- 4. (Original) The method as in claim 3 wherein the number of packets is substantially within the range of 1 kilobyte to 64 kilobytes.
- 5. (Currently Amended) The method as in claim 2 [[1]] further comprising:

determining whether a data buffer is substantially close to empty;

determining whether the delay and rate <u>variations</u> [[variances]] have substantially changed; and

storing one or more ACKs when said buffer is not substantially close to empty or when said <u>variations</u> [[variances]] have not substantially changed.

6. (Previously Presented) The method as in claim 5 further comprising

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modifying the receive window value of an ACK packet when said buffer is substantially close to empty or when said <u>variations</u> [[variances]] have substantially changed; and

transmitting the modified ACK packet containing the modified receive window value to a source of TCP/IP data when said buffer is substantially close to empty or when said <u>variations</u> [[variances]] have substantially changed.

- 7. (Canceled).
- 8. (Currently Amended) A system for maximizing the throughput of

 <u>Transmission Control Protocol/Internet Protocol ("TCP/IP") data comprising a</u>

 <u>data source for The system as in claim 7 further comprising a data source for:</u>

receiving an [[the modified]] acknowledgement (ACK) packet that includes a receive window value that has been modified, by an intermediate node, based on estimated delay and rate variations associated with at least one wireless link;

comparing a [[the]] receive window value within the modified acknowledgement packet to a congestion window value;

selecting the lesser of the receive window value and congestion window value; and

transmitting an amount of data toward the wireless link based on the selected value.

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- 9. (Currently Amended) The system as in claim <u>8</u> [[7]] wherein the receive window value comprises a number of packets.
- 10. (Original) The system as in claim 9 wherein the number of packets is substantially within the range of 1 kilobyte to 64 kilobytes.
- 11. (Currently Amended) The system as in claim <u>8</u> [[7]], <u>further</u> comprising a wherein the radio network controller <u>for</u> [[further]]:

determining [[determines]] whether a data buffer is substantially close to empty;

determining [[determines]] whether the delay and rate variations have substantially changed; and

storing [[stores]] one or more ACKs when said buffer is not substantially close to empty or when said <u>variations</u> [[variances]] have not substantially changed.

12. (Previously Presented) The system as in claim 11, wherein the radio network controller further:

modifies the receive window value of an ACK packet when said buffer is substantially close to empty or when said <u>variations</u> [[variances]] have substantially changed; and

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transmits the modified ACK packet containing the modified receive window value to a source of TCP/IP data when said buffer is substantially close to empty or when said <u>variations</u> [[variances]] have substantially changed.

Conclusion

III. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brenda Pham whose telephone number is (571) 272-3135. The examiner can normally be reached on Monday-Friday from 9:00 to 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lynn D. Feild, can be reached on (571) 272-2092.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (571) 272-2600.

December 10, 2007

Brenda Pham

PRIMARY EXAMINER